<table>
<thead>
<tr>
<th>Competition</th>
<th>Principal Investigator</th>
<th>Co-Investigator(s)</th>
<th>Title</th>
<th>Departments</th>
</tr>
</thead>
<tbody>
<tr>
<td>2017</td>
<td>Christopher Brandl</td>
<td>Robert Hegele; Patrick O'Donoghue</td>
<td>tRNA variation in diseases of proteostasis</td>
<td>Biochemistry; Robarts</td>
</tr>
<tr>
<td>2017</td>
<td>Amin Rizkalla</td>
<td>Henry Lapointe; Yara Hosein</td>
<td>Optimization of 3D-Printed Porous Titanium Constructs for Craniofacial Reconstruction</td>
<td>Oral Biology; Dentistry; Biomedical Engineering</td>
</tr>
<tr>
<td>2017</td>
<td>Piotr Wilk</td>
<td>Kelly Anderson; Saverio Stranges; Stephanie Frisbee; Sisira Sarma; Rob Petrella; Daniel Lizotte; Amardeep Thind; Kambiz Norozi; Stewart Harris; Pallav Garg; Arlene Macdougall; Javeed Sukhera</td>
<td>Multidisciplinary Initiative for Population Health Research in Chronic Diseases</td>
<td>Epidemiology and Biostatistics; Family Medicine; Paediatrics; Cardiology</td>
</tr>
<tr>
<td>2017</td>
<td>Trevor Shepherd</td>
<td>John McCormick; John Ronald</td>
<td>Combination targeted immunotherapy for the treatment of metastatic ovarian cancer</td>
<td>Anatomy and Cell Biology; Microbiology and Immunology; Medical Biophysics</td>
</tr>
<tr>
<td>2018</td>
<td>Silvia Penuela</td>
<td>John Ronald; Matthew Hebb</td>
<td>In Vivo Evaluation of Pannexin 1 Inhibition on Glioblastoma Growth in the Chick Model Using Bioluminescence Imaging</td>
<td>Anatomy and Cell Biology; Medical Biophysics; Robarts; Clinical Neurological Sciences</td>
</tr>
<tr>
<td>2018</td>
<td>Grace Parraga</td>
<td>Cory Yamashita; Lisa Cameron</td>
<td>Complex Airways-Disease Translational Team: Etiology of Inflammation Towards Precision Medicine Approaches in Asthma</td>
<td>Medical Biophysics; Robarts; Medicine; Pathology and Laboratory Medicine</td>
</tr>
<tr>
<td>Year</td>
<td>Name 1</td>
<td>Name 2</td>
<td>Project Description</td>
<td>Department</td>
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<tr>
<td>2019 Spring</td>
<td>Tom Appleton</td>
<td>Aaron Fenster</td>
<td>Three-Dimensional Ultrasound Measurements of Synovial Tissues for Diagnosis and Management of Osteoarthritis</td>
<td>Medicine; Medical Biophysics; Robarts</td>
</tr>
<tr>
<td>2019 Spring</td>
<td>Michael Boffa</td>
<td>Marlys Koschinsky; Maria Drangova; Stephen Pasternak; Luciano Sposato</td>
<td>Role of lipoprotein(a) in embolic stroke of undetermined source (ESUS)</td>
<td>Biochemistry; Physiology and Pharmacology, Robarts; Medical Biophysics; Clinical Neurological Sciences</td>
</tr>
<tr>
<td>2019 Spring</td>
<td>Jorge Burneo</td>
<td>Luciano Sposato; Saverio Stranges; Sarah Morrow; Piotr Wilk</td>
<td>Exploring long-term environmental exposures as epilepsy risk factors: A large, population-based retrospective cohort study</td>
<td>Clinical Neurological Sciences; Epidemiology and Biostatistics;</td>
</tr>
<tr>
<td>2019 Spring</td>
<td>Brian Corneil</td>
<td>Penny MacDonald</td>
<td>The role of dopamine in the contextual control of the fast visuomotor network in health and in Parkinson's Disease</td>
<td>Physiology and Pharmacology, Robarts; Clinical Neurological Sciences</td>
</tr>
<tr>
<td>2019 Spring</td>
<td>Jane Rylett</td>
<td>Cheryle Séguin; Stephen Pasternak</td>
<td>Differentiation of human induced pluripotent stem (hiPS) cells to cholinergic basal forebrain neurons for studies on cholinergic neuron function and Alzheimer's disease pathology</td>
<td>Physiology and Pharmacology; Robarts; Clinical Neurological Sciences</td>
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<tr>
<td>Year</td>
<td>Name 1</td>
<td>Name 2</td>
<td>Name 3</td>
<td>Name 4</td>
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<tr>
<td>2019 Spring</td>
<td>Matthew Teeter</td>
<td>Jeremy Burton; Brent Lanting; David O’Gorman; Edward Vasarhelyi</td>
<td>Potential roles for microorganisms in hip and knee joint implant failures</td>
<td>Surgery; Robarts; Biochemistry</td>
</tr>
<tr>
<td>2019 Fall</td>
<td>Cheryle Seguin</td>
<td>Christopher Bailey; Brad Urquhart</td>
<td>Development of clinical biomarkers for DISH (diffuse idiopathic skeletal hyperostosis)</td>
<td>Physiology and Pharmacology; Surgery</td>
</tr>
<tr>
<td>2019 Fall</td>
<td>Samuel Asfaha</td>
<td>Lauren Flynn</td>
<td>Building a bioscaffold for mini-guts</td>
<td>Gastroenterology; Anatomy and Cell Biology</td>
</tr>
<tr>
<td>2019 Fall</td>
<td>Barbra de Vrijer, Facundo Garcia-Bournissen; Dr. Janine Hutson; Dr. Genevieve Eastabrook</td>
<td>Developing a collaborative translational laboratory to study maternal fetal pharmacology of Cannabinoids using a placental perfusion model</td>
<td>Obstetrics and Gynaecology; Paediatrics</td>
<td></td>
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<tr>
<td>2019 Fall</td>
<td>Armen Parsyan</td>
<td>Paula Foster</td>
<td>Establishing Model of Breast Cancer Brain Metastases Using Patient-Derived Organoid Xenotransplantation and Multimodality Brain Imaging</td>
<td>Surgery; Medical Biophysics</td>
</tr>
<tr>
<td>2019 Fall</td>
<td>Eva Turley</td>
<td>Lina Dagnino</td>
<td>Tumor prevention mechanisms of the skin polysaccharide hyaluronan</td>
<td>Oncology; Biochemistry; Physiology and Pharmacology</td>
</tr>
<tr>
<td>2020</td>
<td>Arthur Brown</td>
<td>Stephen Barr; Greg Dekaban; Maria Drangova; Grace Parraga</td>
<td>Proof-of-principle study for an immunomodulatory therapy to treat SARS-CoV-2 infection</td>
<td>Anatomy &amp; Cell Biology; Robarts; Microbiology and Immunology; Medical Biophysics</td>
</tr>
<tr>
<td>Year</td>
<td>Name</td>
<td>Collaborators</td>
<td>Project Description</td>
<td>Departments</td>
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<tr>
<td>2020</td>
<td>Andreana Büttner</td>
<td>Barbra deVrijer; Tim Regnault</td>
<td>Molecular profiling of congenital diaphragmatic hernia; in utero and postnatal transcriptomic and metabolomic patterns to aid in prognosis and treatment</td>
<td>Surgery; Paediatrics; Obstetrics and Gynecology; Physiology and Pharmacology</td>
</tr>
<tr>
<td>2020</td>
<td>Jeffrey Campbell</td>
<td>Aaron Grant; Peter Wang; Debbie Penava</td>
<td>A multidisciplinary initiative for transgender health care in Southwestern Ontario</td>
<td>Surgery; Urology; Obstetrics and Gynecology</td>
</tr>
<tr>
<td>2020</td>
<td>Matthew Hebb</td>
<td>Jonathan Theissen; Justin Hicks</td>
<td>Low intensity electric fields to enhance drug delivery for CNS disease</td>
<td>Clinical Neurological Sciences; Medical Biophysics</td>
</tr>
<tr>
<td>2020</td>
<td>Parisa Shooshtari</td>
<td>Nathalie Bérubé</td>
<td>Uncovering the cell-specific epigenetic causes of gene dysregulation in schizophrenia</td>
<td>Pathology and Laboratory Medicine; Anatomy and Cell Biology</td>
</tr>
<tr>
<td>2020</td>
<td>Qi Zhang</td>
<td>Ana Suller Marti; Ali Khan</td>
<td>Sudden unexpected death in Epilepsy: An Interdisciplinary study</td>
<td>Pathology and Laboratory Medicine; Clinical Neurological Sciences; Medical Biophysics; Robarts</td>
</tr>
</tbody>
</table>